CLAIMS

[Claim 1]

A rail vehicle comprising:

a wiper device configured to wipe off a deposit on an outside of a window glass;

a fresh air damper configured to open and close an introduction path through which fresh air is introduced into the vehicle from outside the vehicle;

an air conditioning control microcomputer configured to control opening and closing operation of the fresh air damper; and

a vehicle body wiring configured to transmit information on operation of the wiper device to the air conditioning control microcomputer, wherein

the air conditioning control microcomputer determines whether the wiper device is operating based on the information from the wiper device, and closes the fresh air damper when it is determined that the wiper device is operating.

[Claim 2]

The rail vehicle according to claim 1, wherein

the air conditioning control microcomputer closes the fresh air damper when it is determined that operating time

of the wiper device is equal to or longer than a predetermined time.

[Claim 3]

The rail vehicle according to claim 2, wherein

the wiper device operates in a high-frequency mode or a low-frequency mode, and

the air conditioning control microcomputer closes the fresh air damper when it is determined that the wiper device is operating in the high-frequency mode.

[Claim 4]

The rail vehicle according to claim 1, wherein

the air conditioning control microcomputer opens the fresh air damper when it is determined that the operation of the wiper device is stopped based on the information from the wiper device.

[Claim 5]

The rail vehicle according to claim 4, wherein

the air conditioning control microcomputer opens the fresh air damper only when the information indicating the wiper operation is not input again while a specified time elapses from a time when the information indicating the wiper operation is not input.

[Claim 6]

The rail vehicle according to claim 1, wherein

the air conditioning control microcomputer determines whether operation of the rail vehicle is ended, and closes the fresh air damper when it is determined that the operation of the rail vehicle is ended.

[claim 7]

The rail vehicle according to claim 1, wherein

the wiper device operates in a high-frequency mode or a low-frequency mode, and

the air conditioning control microcomputer closes the fresh air damper, in a case only where a vehicle speed is higher than a predetermined speed, when it is determined that the wiper device operates in the low-frequency mode.